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|-----|---|-----|---|
| 11. | <i>crossophylla</i> Tuck.   | 37. | <i>uncialis</i> (L.) Fr.  |
| 12. | <i>molybdena</i> , var. <i>cronia</i> Tuck.<br>cum fructu.            | 38. | <i>Biatora rufo-nigra</i> Tuck.   |
| 13. | <i>Pannaria nigra</i> (Huds.) Nyl.                                    | 39. | <i>parvifolia</i> Pers.   |
| 14. | <i>Synalissa Schæreri</i> (Mass).                                     | 40. | <i>exigua</i> (Chaub.) Fr.  |
| 15. | <i>Collema microphyllum</i> Ach.                                      | 41. | <i>rubella</i> (Ehrh.) Rabenh.  |
| 16. | <i>juccidum</i> Ach.  | 42. | <i>chlorosticta</i> Tuck.   |
| 17. | <i>pulposum</i> (Bernh.) Ach.   | 43. | <i>Lecidea enteroleuca</i> Ach.   |
| 18. | <i>pustulatum</i> Ach.  | 44. | <i>tessellina</i> Tuck.   |
| 19. | <i>Leptogium subtile</i> Nyl.   | 45. | <i>Buellia lactea</i> Mass.   |
| 20. | <i>pulchellum</i> (Ach.) Nyl.   | 46. | <i>atro-alba</i> , var. <i>chlorospora</i> Nyl.                                     |
| 21. | <i>myochroum</i> , var., <i>saturni-</i><br><i>num</i> (Dicks.) Tuck. | 47. | <i>Opegrapha vulgata</i> (Ach.) Nyl.  |
| 22. | <i>Placodium cerinum</i> (Hedw.) Næg.                                 | 48. | <i>Graphis scripta</i> (L.) Ach.  |
| 23. | <i>Placodium aurantiacum</i> (Lightf.) Næg.                           | 49. | <i>Arthonia punctiformis</i> Ach.   |
| 24. | <i>ferrugineum</i> (Huds.) Hepp.                                      | 50. | <i>tædiosa</i> Nyl.   |
| 25. | <i>Lecanora muralis</i> (Schreb.) Schær.                              | 51. | <i>Mycoporum pycnocarpum</i> Nyl.   |
| 26. | <i>tartarea</i> (L.) Ach.   | 52. | <i>Calicium populneum</i> † De Brogn.   |
| 27. | <i>subfusca</i> (L.) Ach.   | 53. | <i>Calicium tubiforme</i> Mass.—Parasitic<br>on <i>Pertusaria pertusa</i> on rocks. |
| 28. | <i>cinerea</i> (L.) Ach.  | 54. | <i>Endocarpa minutum</i> (L.) Schær.,<br>and var. <i>Munitense</i> Tuck.            |
| 29. | <i>cervina</i> f. <i>clavis</i> DC.                                   | 55. | <i>Endocarpion hepaticum</i> Ach.   |
| 30. | <i>Rinodina sophodes</i> , var. <i>confragosa</i> ,<br>Nyl.           | 56. | <i>Sagedia laureri</i> (Flot.) Tuck.—On<br>rocks.                                   |
| 31. | <i>Pertusaria pertusa</i> (L.) Ach.                                   | 57. | <i>Staurothele diffractella</i> (Nyl.) Tuck.  |
| 32. | <i>globularis</i> * Ach.  | 58. | <i>Sagedia Cestrensis</i> Tuck  |
| 33. | <i>Cladonia aleicornis</i> Fr.  | 59. | <i>Verrucaria fuscella</i> Fr.  |
| 34. | <i>furcata</i> (Huds.) Fr.  | 60. | <i>rupestris</i> Schrad.  |
| 35. | <i>squamosa</i> , var. <i>caspiticiu</i><br>Nyl.                      | 61. | <i>Pyrenula glabrata</i> (Ach.) Mass.   |
| 36. | <i>rangiferina</i> (L.) Hoffm.  |     | W.  |

\*Perhaps this species is only a form of *P. leioplaca*.

†This species has not before been found in this country, except, perhaps, in a very scanty specimen from New Bedford. The specimen is scanty, and, perhaps, not altogether certain.

**MORTALITY AMONG HICKORIES.**—Being in Lisle, Illinois, in September, I was told that the hickories, the "bitternut" and the "shagbark," had been gradually dying for several years, and I saw many dead trees to confirm the statement. Has this mortality been observed to prevail extensively at the West, and has any cause been assigned for it?  
W.

**A FEW RESPONSES TO MR. COLEMAN'S QUERY IN THE JAN. NO. OF VOL. III., PAGE 7.—Changes in Vegetation.**—It would be a good service to vegetable biology if any who have "authentic" facts in regard to the long continued vitality of seeds, would kindly respond to Mr. Coleman's request, and communicate. I have watched for many years, and have seen no account that went beyond a mere guess. The "mummy wheat" is but an Egyptian trick. Mr. Ernst's Caraccas experience, which was recently given in European periodicals, can be accounted for in other ways than on the "large vitality" guess which he offers. The strongest case is thought to be the *Glaucoium* at the Laurentian mines, where a "new species" turned up from under the buried scorie of a thousand years. But we must remember that in countries where they will make you a